WRITTEN ANSWERS TO QUESTIONS

Performance of thermal and hydel power stations in the country during the seventh plan.

*343. SHRI TALARI MANOHAR: Will the Minister of ENERGY be pleased to state:

(a) what are the names of thermal and hydel power stations in the country where power generation has increased during the Seventh Plan period ; and

(b) what are the names of thermal and hydel power stations where there was frequent power breakdown during the said period, alongwith the reasons therefor, and what was the total shortage in power generation on this account, State-wise?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): (a) Statements showing the names of the thermal and hydel power stations under the State and Central Government where power generation increased during the Seventh Plan period, as compared to the Sixth Plan period are enclosed as Statement I & II.

(b) A Statement indicating the existing thermal power stations, which generated less power during the Seventh Plan period as compared to the Sixth Plan, alongwith the major reasons for the shortfall and the extent of shortfall is enclosed as Statement. III

A Statement indicating the names of hydel power stations, where generation decreased due to poor inflow of water during the Seventh Plan period is enclosed as Statement -IV. However, there was no frequent breakdown of power in any of the hydel stations during the Seventh Plan period, though some of the power stations had occasional prolonged shutdowns on account of planned maintenance and forced outages.

Statement I

The names of the Thermal Power Stations under the State and Central Government where Power Generation increased during the Seventh Plan

CENTRAL SECTOR

1. Badarpur
2. Neyveli-I
3. Durgapur

STATE SECTOR

1. Indra-Prastha
2. Faridabad
3. Bhatinda
4. Obra
5. Harduaganj 'B'
6. Gandhinagar
7. Nasik
8. Koradi
9. Khaperkheda
10. Bhusawal
11. Kothagudem
12. Ramagundam 'B'
13. Nedlore
14. Vijayawada
15. Ennore
16. Tuticorin
17. Barauni
18. Talcher
19. Bandel
20. Chandrapur (Assam)

Statement-II

The Names of Hyael Power Stations under the State and Central Government where Power Generation increased during the Seventh Plan

CENTRAL SECTOR

1. Bhakra Complex
2. Dehar

3. Pong
4. Baira Siul
5. DVC (Hydro)
6. Khandong
7. Loktak

STATE SECTOR

1. Giri Bata
2. Bassi
3. Binwa
4. Lower Jhelum
5. Others in J&K
6. Shanan
7. R.P. Sagar & J. Sagar
8. Rihand & Obra
9. Yamuna St. II (Chibro)
10. Chilla
11. Matatilla
12. Ganga Canal & Khatima
13. Yamuna St. II (Khodri)
14. Maneri Bhali
15. Gandhi Sagar
16. Koyna DPH
17. Paithon
18. N.K. Sagar R.B.C.
19. Donkarayi
20. Kalinadi
21. Nariamangalam
22. Poringalkuttu
23. Panniar
24. Subernarekha I & II
25. Jaldhaka I & II
26. Lower Lagyap
27. Kyrdankulai
28. Gumti

Statement-III

The existing Thermal Power Stations which generated less power during the 7th Plan as compared to the 6th Plan

Sl. No.	Name of Station	Generation (Gwh) in VIth plan	Generation (Gwh) in VIIth plan	Shortfall (Gwh)	Major reasons for shortfall
1	Harduaganj 'A'	750	538	212	Ageing, furnance problems.
2	Dhuvaran	16553	14421	2132	Rotor earthfault and generator bearing damage.
3	Korba (E)	12117	12019	98	Generator damage and station transformer failure.
4	Amarkantak	7639	7541	98	Rotor earthfault.
5	Paras	2045	1730	315	Auxiliary Transformer damage
6	Chandrapura	16972	13234	3738	LP rotor damage, rewinding of generator and turbine eccentricity.
7	Bokaro 'A'	4851	4047	804	Generator Transformer damage HP & LP rotor failure and generator rotor damage.
8	Santaldih	5945	4948	997	Turbine generator rotor coupling bolt sheared, Generator damage, Turbine rotor eccentricity.
9	Namrup	1961	1692	269	Equipment failures.

Statement-IV

The Names of Hydel Power Stations where Generation Decreased due to Poor Inflow of water during the Seventh Plan

Sl. No.	Name of H.E. Project
	State Sector
1	UBDC I&II
2	Yamuna St. I & IV
3	Ramganga
4	Ukai
5	Koyna I to III
6	Vaitarna, Eldari, Vir & Bhatgarh
7	Tata Hydro (private)
8	Machkund
9	Upper Sileru
10	Lower Sileru
11	T.B. Dam & Hampi
12	Nizam Sagar
13	N.J. Sagar
14	Sharavathy & Jog
15	Lingnamakki
16	Badhra
17	Sivasamudram
18	Shimsapura
19	Munirabad
20	Idukki
21	Sabaragiri
22	Kuttiadi
23	Sholoyar
24	Sengulam
25	Pallivasal
26	Kundah I to V
27	Mettur Dam & Tunnel
28	Periyar
29	Kodayar I & II
30	Sholayar I & II
31	Pykara
32	Aliyar
33	Sarakarpathy
34	Papanasam
35	Moyar
36	Suruliyar
37	Hirakud
38	Balimela
39	Kosi
40	Umiam St. I & II and Umtru

Installation of navigational equipment required for A-321 aircraft

*345. SHRI KAMAL MORARKA: Will the Minister of CIVIL AVIATION be pleased to state:

(a) the airports at which navigational equipment as reguired for A-320 aircraft has already been installed;

(b) the airports where navigational facilities are being updated and whether these would conform to the standards required for A-320 aircraft; and

(c) whether Government have decided to implement the recommendations of the Tata Committee; if so, to what extent?

THE MINISTER OF ENERGY WITH ADDITIONAL CHARGE OF THE MINISTRY OF CIVIL AVIATION (SHRI ARIF MOHD. KHAN): (a) and (b) There are no specific navigational equipment prescribed for the operations of the A-320 fleet. However, the ground facilities available at many of our airports require modernisation and upgradation. This is a continuous process and is receiving the attention of the Government.